California Department of Conservation

FARMLAND MAPPING AND MONITORING PROGRAM

SOIL CANDIDATE LISTING

for

PRIME FARMLAND AND FARMLAND OF STATEWIDE IMPORTANCE

STANISLAUS COUNTY

U.S. Department of Agriculture, Natural Resources Conservation Service, soil surveys for Stanislaus County include:

Soil Survey, Eastern Stanislaus Area, California, September 1964
Soil Survey, Western Stanislaus Area, California, Mapping complete

Revised: 9/10/01

STANISLAUS COUNTY
PRIME FARMLAND SOILS

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
DAVIS, CALIFORNIA 95616

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR PRIME FARMLAND AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE EASTERN STANISLAUS AREA SOIL SURVEY.

Symbol	Name
BcA	Bear Creek clay loam, 0 to 3 percent slopes
BgA	Bear Creek gravelly loam, 0 to 3 percent slopes
BmA	Bear Creek loam, 0 to 3 percent slopes
CaA	Chualar sandy loam, 0 to 3 percent slopes
CbA*	Chualar sandy loam, slightly saline-alkali, 0 to 3 percent slopes
CcA	Columbia fine sandy loam, 0 to 1 percent slopes
CeA	Columbia loam, 0 to 1 percent slopes
CfA	Columbia silt loam, 0 to 1 percent slopes
CgA*	Columbia silt loam, slightly saline, 0 to 1 percent slopes
ChA*	Columbia silt loam, moderately deep over Fresno soils, slightly saline-alkali, 0 to 1 percent slopes
CkA	Columbia silt loam, moderately deep over Temple soils, 0 to 1 percent s slopes
CmA*	Columbia silt loam, moderately deep over Temple soils, slightly saline, 0 to 1 percent slopes
CoA*	Columbia silty clay loam, slightly saline, 0 to 1 percent slopes
CpA	Columbia soils, 0 to 1 percent slopes

* This unit is prime only if reclaimed such that the electrical conductivity is less than 4 mmhos/cm.

Symbol	Name
DeA	Delhi loamy sand, 0 to 3 percent slopes
DeB	Delhi loamy sand, 3 to 8 percent slopes
DgA	Delhi loamy sand, silty substratum, 0 to 3 percent slopes
DmA	Dinuba fine sandy loam, 0 to 1 percent slopes
DoA	Dinuba fine sandy loam, deep, 0 to 1 percent slopes
DpA*	Dinuba fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes
DrA	Dinuba sandy loam, 0 to 1 percent slopes
DtA	Dinuba sandy loam, deep, 0 to 1 percent slopes
DwA*	Dinuba sandy loam, slightly saline-alkali, 0 to 1 percent slopes
GfA	Grangeville fine sandy loam, 0 to 1 percent slopes
GgA*	Grangeville fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes
GhA	Grangeville sandy loam, 0 to 1 percent slopes
GkA*	Grangeville sandy loam, slightly saline-alkali, 0 to 1 percent slopes
GmA	Grangeville very fine sandy loam, 0 to 1 percent slopes
GnA*	Grangeville very fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes
GrA	Greenfield fine sandy loam, 0 to 3 percent slopes
GsA	Greenfield sandy loam, 0 to 3 percent slopes
GsB	Greenfield sandy loam, 3 to 8 percent slopes
GvA	Greenfield sandy loam, deep over hardpan, 0 to 3 percent slopes
HbA	Hanford fine sandy loam, 0 to 3 percent slopes

* This unit is prime only if reclaimed such that the electrical conductivity is less than 4 mmhos/cm.

Symbol	Name
HbmA	Hanford fine sandy loam, moderately deep over sand, 0 to 3 percent slopes
HbpA	Hanford fine sandy loam, moderately deep over silt, 0 to 1 percent slopes
HbsA	Hanford fine sandy loam, deep over silt, 0 to 1 percent slopes
HcA	Hanford gravelly sandy loam, 0 to 3 percent slopes
HdA	Hanford sandy loam, 0 to 3 percent slopes
HdB	Hanford sandy loam, 3 to 8 percent slopes
HddA	Hanford sandy loam, poorly drained variant, 0 to 1 percent slopes
HdmA	Hanford sandy loam, moderately deep over sand, 0 to 3 percent slopes
HdpA	Hanford sandy loam, moderately deep over silt, 0 to 1 percent slopes
HdsA	Hanford sandy loam, deep over silt, 0 to 1 percent slopes
HeA	Hanford very fine sandy loam, 0 to 1 percent slopes HILMAR SOILS (HfA and HfdA) see Statewide List
HnA	Honcut clay loam, 0 to 1 percent slopes
HoA	Honcut fine sandy loam, 0 to 1 percent slopes
HpA	Honcut loam, 0 to 1 percent slopes
HrA	Honcut sandy loam, 0 to 1 percent slopes
MkA	Meikle clay, 0 to 1 percent slopes
MmA	Modesto clay loam, 0 to 1 percent slopes
MnA*	Modesto clay loam, slightly saline-alkali, 0 to 1 percent slopes
MoA	Modesto loam, 0 to 1 percent slopes

* This unit is prime only if reclaimed such that the electrical conductivity is less than 4 mmhos/cm.

Symbol	Name
MpA*	Modesto loam, slightly saline-alkali, 0 to 1 percent slopes
OaA	Oakdale sandy loam, 0 to 3 percent slopes
PaA	Pausell clay, 0 to 1 percent slopes
RtA	Ryer clay, 0 to 1 percent slopes
RvA	Ryer clay loam, 0 to 1 percent slopes
RyA	Ryer loam, 0 to 1 percent slopes
SnA	Snelling sandy loam, 0 to 3 percent slopes
SnB	Snelling sandy loam, 3 to 8 percent slopes
SwA	Snelling sandy loam, poorly drained variant, 0 to 1 percent slopes
TbA	Temple loam, overwashed, 0 to 1 percent slopes
TcA*	Temple loam, overwashed, slightly saline, 0 to 1 percent slopes
TeA*	Temple silty clay, slightly saline, 0 to 1 percent slopes
TgA	Temple silty clay loam, 0 to 1 percent slopes
ThA*	Temple silty clay loam, slightly saline, 0 to 1 percent slopes
TmA*	Traver fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes
TpA*	Traver sandy loam, slightly saline-alkali, 0 to 1 percent slopes
TuA	Tujunga loamy sand, 0 to 3 percent slopes
TuB	Tujunga loamy sand, 3 to 5 percent slopes
WtA	Wyman clay loam, 0 to 1 percent slopes
WvA	Wyman loam, 0 to 1 percent slopes

* This unit is prime only if reclaimed such that the electrical conductivity is less than 4 mmhos/cm.

JPR Revised 9/23/80; PSR Revised 10/24/90; NRCS - 6/9/93

STANISLAUS COUNTY
PRIME FARMLAND SOILS

U.S. DEPARTMENT OF AGRICULTURE
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DAVIS, CALIFORNIA 95616

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR PRIME FARMLAND AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE WESTERN STANISLAUS AREA SOIL SURVEY.

Symbol	Name
100	Capay clay, 0 to 2 percent slopes (where irrigated)
101	Capay clay, wet, 0 to 2 percent slopes (where irrigated)
102	Capay clay, loamy substratum, 0 to 2 percent slopes (where irrigated)
106	Capay clay, 0 to 2 percent slopes, rarely flooded (where irrigated)
110	El Solyo silty clay loam, 0 to 2 percent slopes (where irrigated)
111	El Solyo clay loam, wet, 0 to 2 percent slopes (where irrigated)
116	El Solyo silty clay loam, 0 to 2 percent slopes, rarely flooded (where irrigated)
120	Vernalis-Zacharias complex, 0 to 2 percent slopes (where irrigated)
121	Vernalis loam, wet, 0 to 2 percent slopes (where irrigated)
122	Vernalis loam, 0 to 2 percent slopes (where irrigated)
123	Vernalis clay loam, wet, 0 to 2 percent slopes (where irrigated)
125	Vernalis clay loam, 0 to 2 percent slopes (where irrigated)
126	Vernalis-Zacharias complex, 0 to 2 percent slopes, rarely flooded (where irrigated)
127	Vernalis loam, 0 to 2 percent slopes, rarely flooded (where irrigated)
130	Stomar clay loam, 0 to 2 percent slopes (where irrigated)
131	Stomar clay loam, wet, 0 to 2 percent slopes (where irrigated)

Symbol	Name
140	Zacharias clay loam, 0 to 2 percent slopes (where irrigated)
141	Zacharias clay loam, wet, 0 to 2 percent slopes (where irrigated)
142	Zacharias gravelly clay loam, 0 to 2 percent slopes (where irrigated)
144	Zacharias gravelly clay loam, 2 to 5 percent slopes (where irrigated)
145	Zacharias clay loam, 2 to 5 percent slopes (where irrigated)
146	Zacharias clay loam, 0 to 2 percent slopes, rarely flooded (where irrigated)
147	Zacharias gravelly clay loam, 0 to 2 percent slopes, rarely flooded (where irrigated)
150	Columbia fine sandy loam, partially drained, 0 to 2 percent slopes, occasionally flooded (where irrigated)
151	Columbia complex, 0 to 2 percent slopes, occasionally flooded (where irrigated)
153	Columbia fine sandy loam, channeled, partially drained, 0 to 2 percent slopes, frequently flooded (where irrigated and either protected from flooding or not frequently flooded during the growing season)
155	Columbia fine sandy loam, partially drained, 0 to 2 percent slopes, rarely flooded (where irrigated)
157	Columbia complex, 0 to 2 percent slopes, rarely flooded (where irrigated)
159	Columbia complex, 0 to 2 percent slopes, frequently flooded (where irrigated and either protected from flooding or not frequently flooded during the growing season)

Symbol	Name
160	Merritt silty clay loam, partially drained, 0 to 2 percent slopes, occasionally flooded (where irrigated)
165	Merritt silty clay loam, partially drained, 0 to 2 percent slopes, rarely flooded (where irrigated)
170	Dospalos-Bolfar complex, 0 to 2 percent slopes, occasionally flooded (where irrigated)
175	Dospalos-Bolfar complex, 0 to 2 percent slopes, rarely flooded (where irrigated)
190	Clear Lake clay, 0 to 2 percent slopes, occasionally flooded (where irrigated)
195	Clear Lake clay, 0 to 2 percent slopes, rarely flooded (where irrigated)
200	Veritas sandy loam, 0 to 2 percent slopes, rarely flooded (where irrigated)
245	Bolfar-Columbia complex, 0 to 2 percent slopes, rarely flooded (where irrigated)
246	Bolfar-Columbia complex, 0 to 2 percent slopes, occasionally flooded (where irrigated)
270	Elsalado fine sandy loam, 0 to 2 percent slopes, rarely flooded (where irrigated)
271	Elsalado loam, 0 to 2 percent slopes, rarely flooded (where irrigated)
272	Elsalado loam, wet, 0 to 2 percent slopes (where irrigated)
273	Elsalado fine sandy loam, 0 to 2 percent slopes (where irrigated)
274	Elsalado loam, 0 to 2 percent slopes (where irrigated)

Symbol	Name
281	Carbona clay loam, 2 to 8 percent slope (where irrigated)
300	Damluis clay loam, 0 to 2 percent slopes (where irrigated)
301	Damluis clay loam, 2 to 8 percent slopes (where irrigated)
302	Damluis gravelly clay loam, 0 to 2 percent slopes (where irrigated)
303	Damluis gravelly clay loam, 2 to 8 percent slopes (where irrigated)
310	Deldota clay, 0 to 2 percent slopes (where irrigated)
350	Woo loam, 0 to 2 percent slopes (where irrigated)

STANISLAUS COUNTY
FARMLAND OF STATEWIDE
IMPORTANCE SOILS

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
DAVIS, CALIFORNIA 95616

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR FARMLAND OF STATEWIDE IMPORTANCE AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE EASTERN STANISLAUS AREA SOIL SURVEY.

Symbol	Name
AnA	Anderson gravelly fine sandy loam, 0 to 3 percent slopes
AnB	Anderson gravelly fine sandy loam, 3 to 8 percent slopes
AoA	Anderson gravelly fine sandy loam, channeled, 0 to 3 percent slopes
BeA	Bear Creek gravelly clay loam, channeled, 0 to 3 percent slopes
CdA	Columbia fine sandy loam, moderately saline, 0 to 1 percent slopes
CsB	Columbia soils, channeled, 0 to 8 percent slopes
DfA	Delhi loamy sand, moderately deep over clay, 0 to 3 percent slopes
DhA	Delhi sand, 0 to 3 percent slopes
DhB	Delhi sand, 3 to 8 percent slopes
DkA	Dello loamy sand, 0 to 1 percent slopes
DuA	Dinuba sandy loam, poorly drained variant, 0 to 1 percent slopes
FoA	Foster very fine sandy loam, very poorly drained, slightly saline-alkali, 0 to 1 percent slopes
GoA	Grangeville very fine sandy loam, moderately saline-alkali, 0 to 1 percent slopes
HdC	Hanford sandy loam, 8 to 15 percent slopes

Symbol	Name
HfA[&]	Hilmar loamy sand, 0 to 1 percent slopes
HfdA[&]	Hilmar loamy sand, deep, 0 to 1 percent slopes
HsB	Hopeton clay, 3 to 8 percent slopes
HtA	Hopeton clay loam, 0 to 3 percent slopes
HtB	Hopeton clay loam, 3 to 8 percent slopes
HuA	Hopeton loam, 0 to 3 percent slopes
HuB	Hopeton loam, 3 to 8 percent slopes
MaA	Madera loam, 0 to 2 percent slopes
MtA	Montpellier coarse sandy loam, 0 to 3 percent slopes
MtB	Montpellier coarse sandy loam, 3 to 8 percent slopes
MtC	Montpellier coarse sandy loam, 8 to 15 percent slopes
MvA	Montpellier coarse sandy loam, poorly drained variant, 0 to 1 percent slopes
RaA	Raynor clay, 0 to 3 percent slopes
RaB	Raynor clay, 3 to 8 percent slopes
TdA and CnA	Temple loam, overwashed, moderately saline, 0 to 1 percent slopes
TfA	Temple silty clay, moderately saline, 0 to 1 percent slopes
TkA	Temple silty clay loam, moderately saline, 0 to 1 percent slopes

[&] These map units to be removed from the Prime list to the Statewide list per NRCS letter of 10/24/90. These changes will be reflected on the July 1990 map.

Symbol	Name
TnA	Traver fine sandy loam, moderately saline-alkali, 0 to 1 percent slopes
ToA*	Traver fine sandy loam, strongly saline-alkali, 0 to 1 percent slopes
TsA	Traver sandy loam, strongly saline-alkali, 0 to 1 percent slopes
TrA	Traver sandy loam, moderately saline-alkali, 0 to 1 percent slopes
TvA	Tujunga sand, 0 to 3 percent slopes
WaA	Waukena fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes
WdA	Waukena sandy loam, slightly saline-alkali, 0 to 1 percent slopes
WyA	Wyman loam, moderately deep over gravel, 0 to 1 percent slopes
YkA	Yokohl loam, 0 to 1 percent slopes
YoA	Yokohl clay loam, 0 to 3 percent slopes

This unit is of statewide importance only if reclaimed such that the electrical conductivity is less than 16 mmhos/cm.

RLW JPR 9/23/80; NRCS - 6/17/93

STANISLAUS COUNTY
FARMLAND OF STATEWIDE
IMPORTANCE SOILS

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100	Capay clay,0 to 2 percent slopes(where irrigated)
180	Dello fine sandy loam,channeled,0 to 2 percent slopes
210	Cortina gravelly sandy loam,0 to 2percent slopes,rarely flooded
215	Yokut sandy loam,0 to 2 percent slopes
304	Damluis gravelly clay loam,8 to 15 percent slopes
340	Carranza-Woo complex,0 to 2 percent slopes